

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors	PO ID PO35808	Receipt Dates from 4/10/2017 to 4/10/2017

Total Received Quantity:
Total Qty to Inspect (PO U/M):
Total Reject Quantity:
Total Receipt Value:
Total Balance Due Quantity:

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO35808

Order Placed By
Chantal Lavoie

McMaster-Carr Number
1302015-02

Page 1 of 2

04/07/2017

Line	Product	Ordered	Shipped
1	6546K383 6061 Aluminum Rectangular Tube 1/8" Wall Thickness, 1" High x 1-1/2" Wide, 6 Feet Long, With Material Certification	12 Each	12 ✓
Shipped separately from our Cleveland warehouse on 03/31			
2	6519T14 Ultra-Chemical-Resistant Versilon PVC Tubing 3/8" ID, 9/16" OD, 2 Feet Long	4 Feet	4
3	90248A027 Black-Phosphate Steel Thread-Locking Insert Easy-to-Install, 5/16"-18 Thread, 0.484" Installed Length	5 Packs	5
4	94110A150 Installation Bit for 5/16", M8 Thread Size Slotted-Drive Insert	1 Each	1
5	4714A407 High Performance Multipurpose Sanding Belt 80 Grit, 3/4" Wide, 20-1/2" Long	25 Each	25
6	46475A55 Sanding Belt for Stainless Steel & Hard Metals 80 Grit, 3/4" Wide, 20-1/2" Long	25 Each	25
7	7510A762 Plastic Syringe with Taper Tip, 0.34 oz. Capacity	3 Packs	3
8	7510A763 Plastic Syringe with 0.046" ID Taper Tip, 1 oz. Capacity	3 Packs	3
9	5521A29 1/4" Square Drive Socket Accessory Flex-Joint, 1-3/8" Overall Length, Chrome Finish	2 Each	2
10	6124K293 Air Directional Control Valve with 3 Ports, Single Solenoid, 1/4 NPT, 120V AC	1 Each	1
11	6464K17 Air Directional Control Valve 3-Way, 3 Ports, Manual Return, 1/8 NPT, with Knob	1 Each	1
12	8812K51 Compressed Air Regulator Relieving with Pressure Gauge & Knob, 1/8 NPT	1 Each	1
13	5779K116 Push-to-Connect Tube Fitting for Air Straight Adapter for 3/8" Tube OD x 1/4 NPT Male	10 Each	10

Sp17-4-11

Sapa

Sapa Industrial Extrusions
1550 KIRBY LANE
SPANISH FORK, UT
84660-1349

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

RYERSON PROCUREMENT CORP
PO BOX 91601

LUBBOCK, TX - 79490

Ship To Customer

RYERSON PROCUREMENT CORP
2580 TECHNOLOGY DR

ELGIN, IL - 60123

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1101163364	1	4500783764-1	SAPA2578887	1 of 2
			Cert Creation Date	Cert Print Date
			10-JAN-17	10-JAN-17

Quantity Shipped	Date Shipped	Item Description	Specification
1184 LB	10-JAN-17	Extruded Hollow Rect. Tube 1.000 H x 1.500 W x 0.125 WALL 72.5 IN LN FIN M-MILL W/F 661 F 14 CS 1.8 6061/T6 Marking CONTINUOUS	ASTM B221 REV 14 ASM ESB221 REV 09 AMS QQ-A-200/8 REV A
B/L	Item No.		
801039	CO3993837		
Delivery Id	Item No. Rev		
4859140			
Customer Part No.			
300038850			

Applicable Specifications, Revisions and Exceptions

TAG: MCMMASTER

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Justin Donald
Quality Control Manager

10-JAN-17

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG1877207	22693564	144	PCS	598	592
G14-PKG1877208	22693564	144	PCS	598	592

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.80	---	0.70	0.15	0.40	---	0.15	0.80	1.20	0.04	0.35	---	0.25

Sapa:

Sapa Industrial Extrusions
1550 KIRBY LANE
SPANISH FORK, UT
84660-1349

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1101163364	1	4500783764-1	SAP A2578887	2 of 2
			Cert Creation Date	Cert Print Date
			10-JAN-17	10-JAN-17

Alloy	Ti		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max
6061	---	0.15	---	0.05	---	0.15

Composition Results

Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
S16112704	0.73	0.34	0.21	0.05	0.85	0.05	0.04	0.02	--	--

Mechanical Property - Test Limits

Test Type	UTS - L		TYS - L		EL. 4D-Long	
	LOM	KSI		KSI		PCT
# of Test						

Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value
T6	22693564	2	46.6	47.2	43.4	44.1
					10.5	12.5

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method

All mill finish alloys produced at Sapa Industrial Extrusions comply with Directive 2011/65/EU (RoHS 2) with the exception of 6262 alloy

In accordance with EN 10204 Inspection Certificate Type 3.1

Melted in the USA or Qualifying Countries (as defined in Defense Federal Acquisition Regulation Supplement (DFARS) Section 225.872-1)

Manufactured in the United States

Manufactured in the United States

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MG061+G+1.5x1.0
 DATE: 17-04-12

PO / BATCH NO.: PO35808/M137274

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 72'
 QUANTITY INSPECTED: 72'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .125
 THICKNESS RECEIVED: .129
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	AMS-20-A-700/8
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	N/A
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>CB</u>	DAS 9 9-89	SIGNED OFF BY: _____	DATE: _____
DATE: <u>17-04-12</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35808**

Purchase Order Date 3/31/2017

PO Print Date 3/31/2017

Page Number 1 of 9

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
MAR 31 2017

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6TR1.5X1.0W125	6061-T6 Rect Tube 1.5 x 1.0 x .125w McMaster p/n: 6546K999	4/17/2017 Yes 4/17/2017	FN	72.00 f	\$5.83	\$420.00

MATERIAL CERT REQUIRED
AS PER 6061-T6 OR T651/T6510/T6511/T625 RECTANGULAR TUBING PER
AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A200/8 OR AMS 4160

12 PCS OF 6 FT REQUIRED

Sat 4-11

Line Total: \$420.00

2	71900-90	6519T14 ULTRA CHEMICAL PVC TUBING	4/4/2017 Yes 4/4/2017		2.00 Each	\$10.40	\$20.80
---	----------	--------------------------------------	-----------------------------	--	--------------	---------	---------

Sat 4-4

Line Total: \$20.80

Deliver To: CHANTAL

Note:

3/31/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35808

Purchase Order Date 3/31/2017

PO Print Date 3/31/2017

Page Number 2 of 9

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

3 71500-15

90248A27 INSERT

4/4/2017

Yes

4/4/2017

5.00

Each

\$10.25

\$51.25

Line Total:

\$51.25

Deliver To: ERIC.L

4 71500-15

94110A150 SLOTTED
DRIVE INSERT

4/4/2017

Yes

4/4/2017

1.00

Each

\$9.26

\$9.26

Line Total:

\$9.26

Deliver To: ERIC.L

5 71500-11

4714A407 SANDING
BELT 80 GRIT

4/4/2017

Yes

4/4/2017

25.00

Each

\$1.15

\$28.75

Line Total:

\$28.75

Deliver To: JESSE

Note:

3/31/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35808**

Purchase Order Date 3/31/2017

PO Print Date 3/31/2017

Page Number 3 of 9

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

6	71500-11	46475A55 SANDING BELT 80 GRIT	✓ 4/4/2017	25.00	✓	\$1.82	\$45.50
			Yes	Each			
			4/4/2017				

Deliver To: JESSE

7	71500-10	7510A762 10CC SYRINGE	✓ 4/4/2017	3.00	✓	\$16.34	\$49.02
			Yes	Each			
			4/4/2017				

3 PK OF 10

Line Total: \$45.50

Deliver To: JESSE

8	71500-10	7510A763 30CC SYRINGE	✓ 4/4/2017	3.00	✓	\$18.65	\$55.95
			Yes	Each			
			4/4/2017				

Line Total: \$49.02

Deliver To: JESSE

Line Total: \$55.95

SP 7-4-4

Note:

3/31/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35808

Purchase Order Date 3/31/2017

PO Print Date 3/31/2017

Page Number 4 of 9

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

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Customer Tax #

10127-2607

Terms

Net 10

Currency

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FOB

FCA - (Free Carrier)

9	71550-15	5521A29 SQUARE DRIVE SOCKET	4/4/2017	2.00	\$17.45	\$34.90
		Yes	4/4/2017	Each		

Line Total: \$34.90

Deliver To: ERIC.L

10	71550-15	6124K293 SOLENOID 1/4 NPT 120V AC	4/4/2017	1.00	\$89.09	\$89.09
		Yes	4/4/2017	Each		

Line Total: \$89.09

Deliver To: ERIC.L

11	71550-15	6464K17 CONTROL VALVE	4/4/2017	1.00	\$67.47	\$67.47
		Yes	4/4/2017	Each		

Line Total: \$67.47

Deliver To: ERIC.L

Note:

3/31/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35808

Purchase Order Date 3/31/2017

PO Print Date 3/31/2017

Page Number 5 of 9

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

Purolator ground ppd

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 10

USD

FCA - (Free Carrier)

12	71550-15	8812K51 PRESSURE GAUGE	✓ 4/4/2017 Yes 4/4/2017	1.00 Each	\$23.91	\$23.91
Line Total:						\$23.91
13	71550-15	5779K116 STRIAIGHT ADAPTER	✓ 4/4/2017 Yes 4/4/2017	10.00 Each	\$4.33	\$43.30
Line Total:						\$43.30
14	71550-15	5779K158 90 DEG. ELDOW	✓ 4/4/2017 Yes 4/4/2017	8.00 Each	\$4.75	\$38.00
Line Total:						\$38.00

Deliver To: ERIC.L

Deliver To: ERIC.L

Deliver To: ERIC.L

Note:

3/31/2017

Sp17-4-4



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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PURCHASE ORDER

Purchase Order ID **PO35808**

Purchase Order Date 3/31/2017

PO Print Date 3/31/2017

Page Number 6 of 9

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

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10127-2607

Terms

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FOB

FCA - (Free Carrier)

15	71550-15	5975K12 MANIFOLD	✓ 4/4/2017 Yes 4/4/2017	1.00 Each	✓	\$21.20	\$21.20
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Line Total: \$21.20

Deliver To: ERIC.L

16	71550-15	9685T4 TUBING SEMI CLEAR	✓ 4/4/2017 Yes 4/4/2017	2.00 Each	✓	\$47.50	\$95.00
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Line Total: \$95.00

Deliver To: ERIC.L

17	71550-15	5779K115 STRAIGHT ADAPTER	✓ 4/4/2017 Yes 4/4/2017	4.00 Each	✓	\$5.83	\$23.32
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Line Total: \$23.32

Deliver To: ERIC.L

Note:

3/31/2017

SP17-4-4



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35808

Purchase Order Date 3/31/2017
PO Print Date 3/31/2017

Page Number 7 of 9

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

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10127-2607

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USD

FOB

FCA - (Free Carrier)

18	71550-15	4450K1 MUFFLER HEX	✓ 4/4/2017 Yes 4/4/2017	1.00 Each	✓	\$1.93	\$1.93
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Line Total: \$1.93

Deliver To: ERIC.L

19	71500-15	4450K2 MUFFLER HEX	✓ 4/4/2017 Yes 4/4/2017	1.00 Each	✓	\$2.26	\$2.26
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Line Total: \$2.26

Deliver To: ERIC.L

20	71550-15	7162K77 CONNECTOR	✓ 4/4/2017 Yes 4/4/2017	1.00 Each	✓	\$1.00	\$1.00
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Line Total: \$1.00

Deliver To: ERIC.L

SP17-4-4

Note:

3/31/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
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Fax: 613 632 1053

PURCHASE ORDER

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Page Number 8 of 9

Order From :

MCMaster-CARR SUPPLY CO,
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CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

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FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

21	71550-15	7162K29 TURN LOCK CONNECTOR	✓ 4/4/2017 Yes 4/4/2017	1.00 ✓ Each	\$9.41	\$9.41
----	----------	--------------------------------	-------------------------------	----------------	--------	--------

Line Total: \$9.41

Deliver To: ERIC.L

22	71500-15	7372K11 WASHDOWN FOOT SWITCH	✓ 4/4/2017 Yes 4/4/2017	1.00 ✓ Each	\$116.96	\$116.96
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Line Total: \$116.96

Deliver To: ERIC.L

23	71401-45	PROCUREMENT QUALITY CLAUSES	✓ 4/4/2017 No 4/4/2017	1.00 ✓	\$0.00	\$0.00
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PROCUREMENT QUALITY CLAUSES
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A025 CERTIFICATE OF CONFORMANCE
A040 NOTIFICATION OF QUALITY ESCAPE
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

8017-4-4.

Note:

3/31/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35808**

Purchase Order Date 3/31/2017

PO Print Date 3/31/2017

Page Number 9 of 9

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Total: \$0.00

PO Total: \$1,248.28

CL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 3/31/2017